

1 **NEW CLAIMS:**  
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3 19. A method for use in a telephone network, said method comprising:  
4 receiving from a telephone network an incoming calling line  
5 identification (ICLID) associated with a call placed by a caller;  
6 dialing without caller interaction a directory number of a paging  
7 system;  
8 transmitting said received ICLID to said paging system; and  
9 said paging system transmitting said ICLID to a paging device.  
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11 20. A method in accordance with claim 19 wherein a code is transmitted to said  
12 paging system with said a ICLID.  
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14 21. A method in accordance with claim 19 wherein said code is transmitted  
15 before said ICLID.  
16

17 22. A method in accordance with claim 20 wherein said code is transmitted after  
18 said ICLID.  
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20 23. A method in accordance with claim 19 wherein, after dialing said directory  
21 number of said paging system, a personal identification code is transmitted.  
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23

1 24. A customer premises apparatus connected to an analog telephone line, said  
2 apparatus comprising:

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4 means for receiving from a telephone network and storing an incoming  
5 calling line identification (ICLID) associated with a call placed by a caller;

6  
7 means for dialing without caller interaction a directory number of a paging  
8 system; and

9  
10 means for causing said paging system to transmit said ICLID to a paging  
11 device.

12  
13 25. An apparatus in accordance with claim 24 wherein said means for receiving  
14 and storing said ICLID comprises a frequency shift key decoder, and a memory  
15 means.

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17 26. An apparatus in accordance with claim 24 wherein said means for dialing  
18 comprises a dual-tone, multi-frequency (DTMF) generator.

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20 27. An apparatus in accordance with claim 24 wherein said means for causing  
21 said apparatus to transmit comprises means for retrieving said ICLID from said  
22 means for receiving and storing said ICLID and sending said ICLID through a DTMF  
23 generator.

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25 28. An apparatus in accordance with claim 24 further including means for  
26 detecting signaling on said telephone line to coordinate operation of said means for  
27 dialing and said means for causing transmission of said ICLID to said paging

1 system.

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3 29. An apparatus in accordance with claim 24 further including switch hook  
4 means for connecting said apparatus to said telephone line.

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6 30. An apparatus in accordance with claim 24 wherein said apparatus is  
7 integrated into a telephone.

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9 31. An apparatus in accordance with claim 24 wherein said apparatus is a  
10 separate unit from a telephone.

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12 32. A customer premises apparatus connected to an integrated services, digital  
13 network (ISDN) line, said apparatus comprising:

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15 means for receiving from a telephone network and storing an alert message  
16 associated with a call placed by a caller;

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18 means for extracting and storing an incoming calling line identification (ICLID)  
19 from said alert message;

20  
21 means for setting up an outgoing call;

22  
23 means operative without caller interaction for dialing a directory number of a  
24 paging system; and

25  
26 means for causing said paging system to transmit said ICLID to a paging  
27 device.

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2 33. An apparatus in accordance with claim 32 wherein said means for causing  
3 said apparatus to transmit comprises means for retrieving said ICLID from said  
4 means for receiving and storing said ICLID and sending said ICLID through a DTMF  
5 generator.

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7 34. An apparatus in accordance with claim 32 further including means for  
8 detecting signaling on said telephone line to coordinate operation of said means for  
9 dialing and said means for causing transmission of said ICLID to said paging  
10 system.

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12 35. A central office switching system apparatus connected to a telephone  
13 network, said apparatus comprising:

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15 means for receiving an incoming call placed by a caller from said telephone  
16 network for a telephone;

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18 means for receiving and storing a incoming calling line identification (ICLID)  
19 for said incoming call;

20  
21 means for setting up a call to said telephone;

22  
23 means operative without caller interaction for setting up an outgoing call to a  
24 paging system; and

25  
26 means for causing said paging system to transmit said ICLID to a paging  
27 device.

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2 36. An apparatus in accordance with claim 35 wherein said means for causing  
3 said apparatus to transmit comprises means for retrieving said ICLID and sending  
4 said ICLID through a DTMF generator.

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6 37. An apparatus in accordance with claim 35 further including means for  
7 detecting signaling on said telephone line to coordinate operation of said means for  
8 dialing and said means for causing transmission of said ICLID to said paging  
9 system.

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11 38. An apparatus in accordance with claim 35 wherein said means for receiving  
12 an incoming call comprises a switching system.

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14 39. An apparatus in accordance with claim 35 wherein said means for receiving  
15 an incoming call comprises an adjunct to a switching system.